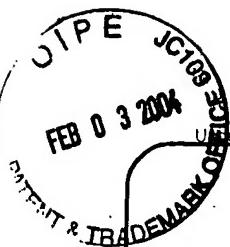


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TRANSMITTAL  
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Total Number of Pages in This Submission

3

Application Number	101648,687
Filing Date	8-25-03
First Named Inventor	Robert Sigurd Nelson
Art Unit	2878
Examiner Name	
Total Number of Pages in This Submission	3
Attorney Docket Number	

## ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Group
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Robert Sigurd Nelson
Signature	<i>Robert Sigurd Nelson</i>
Date	1-30-2004

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Robert Sigurd Nelson
Signature	<i>Robert Sigurd Nelson</i>
	Date 1-30-2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Applicants: Robert Sigurd Nelson, William Bert Nelson.

Appl No.: 10/648,687

Filing Date: August 25, 2003.

Examiner:

Art Unit: 2878.

Title: DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND  
COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

---

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sirs,

Please find enclosed an INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
for APPL NO. 10/648,687 filed on 8-25-2003 and assigned to Art Unit 2878..

1. I wish to cite (incorporate) a prior patent of which I am the sole inventor:

Patent No. 5,258,145 (issued: 11-02-1993) "Method for manufacturing a high resolution structured x-ray detector". Relevant Figures (3, 4, 5, 9, 10, 11 on page 2) and Passages (Col. 1 lines 63-68; Col. 2 lines 20-56) are representative of this approach to manufacturing high resolution scintillator arrays. This patent describes techniques for manufacturing 1-D and 2-D scintillator arrays which can then be used "edge-on" (as detailed in the already cited Patent No. 4,560,882 "High-efficiency x-radiation converters") for scintillator-based edge-on gamma cameras for SPECT, PET, and Compton gamma cameras. As noted in the application, 2-D edge-on detectors (semiconductor or scintillator) can provide depth of interaction information particularly useful for PET and Compton scatter imaging.

2. I have not included a penalty fee for this disclosure since I am unaware of an office action assigning the application to an examiner.

If there are questions I can be contacted by email ([rnelson@mail.sdsu.edu](mailto:rnelson@mail.sdsu.edu)) or by phone (619-594-1013).

Sincerely,

Robert Sigurd Nelson

Robert Sigurd Nelson

January 30, 2004

Date

Robert Sigurd Nelson

2922 Upshur Street

San Diego, California 92106

W.B.N.

William Bert Nelson

1-26-04

Date

William Bert Nelson

75 Mound Ave.

Excelsior, MN 55331-8570



(1-30-2004)

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449 PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet

1

1

1

Complete if Known	
Application Number	10/648,687
Filing Date	8-25-2003
First Named Inventor	Robert Sigurd Nelson
Art Unit	2878
Examiner Name	
Attorney Docket Number	

**U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner Signature** \_\_\_\_\_ **Date Considered** \_\_\_\_\_

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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